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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/045,640	11/08/2001	Patricia A. Keaton	0007975-0016	9820

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EXAMINER

DESIRE, GREGORY M

ART UNIT

PAPER NUMBER

2625

DATE MAILED: 12/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/045,640	Applicant(s) KEATON ET AL.	
	Examiner Gregory M. Desire	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Swanson et al (5,987,459).

Regarding method, apparatus and computer claims 1, 10 and 18 Swanson discloses,

Examining one or more images in a database for one or more first compression patterns (note fig. 2, 32 and col. 3 lines 12-13, data collection is the examined image);

Recording said first compression patterns (note col. 4 lines 1-6, coding techniques determines compression patterns which is code word);

Obtaining a request for said one or more output images (note col. 4 lines 9-15, query request search for image); and

Obtaining said output images using said first compression patterns (note col. 4 lines 17-22, reconstructing of file examiner interprets as obtaining output).

Regarding method, apparatus and computer program claims 2, 11 and 19 Swanson discloses,

Obtaining a text input (note fig. 2, 32 image is an image or text input);

Art Unit: 2625

Locating one or more of said first compression patterns associated with said text input (note query search col. 4 lines 9-150; and

Obtaining said output images associated with said first compression patterns (decoder col. 4 lines 17-22 obtains output).

Regarding method, apparatus and computer program claims 3, 12 and 20 Swanson discloses,

Obtaining an input image (note fig. 6, block 82 shows input image);

Determining one or more second compression patterns in said input image (note fig. 6 block 134, shows plurality of images, thus a first and second image can be determined);

Comparing said second compression pattern to said first compression patterns (image is compared in the coding steps); and

Obtaining said output images wherein said second compression patterns are matched with said first compression patterns (resulting in output image).

Regarding method, apparatus and computer program claims 4, 13 and 21 Swanson discloses,

Dividing said images into one or more blocks (note col. 10 lines 15-18, wavelet transform divides the image into blocks); and

Obtaining said first compression patterns by examining said blocks (component of block is obtained).

Regarding method, apparatus and computer program claims 5, 14 and 22 Swanson discloses,

Wherein said first compression patterns comprise one or more transform codes (note col. 10 lines 25-30, examiner interpret pattern comprising code words to meet limitations)

Regarding method, apparatus and computer program claims 6, 15 and 23 Swanson discloses,

Applying a latent variable modeling technique to obtain said transform codes (fig. 6 block 98, wavelet coding similar to variable modeling).

Regarding method, apparatus and computer program claims 7, 16 and 24 Swanson discloses,

Wherein said latent variable modeling is a Gaussian latent variable modeling (note col. 8 lines 23-28).

Regarding method, apparatus and computer program claims 8, 17 and 25 Swanson discloses,

Applying a Bayes decision rule (note prob. of occurrence image fig. 6, Bayes modeling is merely a probability function).

Regarding method and computer program claims 9 and 26 Swanson discloses,

Placing said first compression patterns in a dictionary (note col. 10 lines 38, 47 and 55 defines coder dictionary).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory M. Desire whose telephone number is (703) 308-9586. The examiner can normally be reached on M-F (8:30-6:00) Second Monday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh Mehta can be reached on (703) 308-5246. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

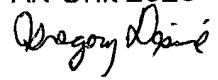
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/045,640

Page 6

Art Unit: 2625

Gregory M. Desire
Examiner
Art Unit 2625



G.D

November 24, 2004
